

09/142628

Sheet 1 of 8

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 1038-833 MIS/bh	SERIAL NO. <b>09/142,628</b> (National Phase of PCT/CA97/00163)
	APPLICANT Lisa E. Myers et al	
	FILING DATE International Date March 7, 1997	GROUP <b>1646</b>

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCL.	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<b>MDP</b>	1.	Brorson, J-E., A. Axelsson, and S.E. Holm. 1976. Studies on <i>Branhamella catarrhalis</i> ( <i>Neisseria catarrhalis</i> ) with special reference to maxillary sinusitis. Scan. J. Infect. Dis. 8:151-155.
<b>**</b>	2.	Catlin, B.W., 1990. <i>Branhamella catarrhalis</i> : an organism gaining respect as a pathogen. Clin. Microbiol. Rev. 3: 293-320.
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<b>↓</b>	4.	McLeod, D.T., F. Ahmad, M.J. Croughan, and M.A. Calder. 1986. Bronchopulmonary infection due to <i>M. catarrhalis</i> . Clinical features and therapeutic response. Drugs 31(Suppl.3):109-112.
<b>MDP</b>	5.	Nicotra, B., M. Rivera, J.I. Luman, and R.J. Wallace. 1986. <i>Branhamella catarrhalis</i> as a lower respiratory tract pathogen in patients with chronic lung disease. Arch.Intern.Med. 146:890-893.

EXAMINER: <b>MICHAEL PAK</b>	DATE CONSIDERED: <b>8/22/03</b>
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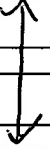
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	7.	Srinivasan, G., M.J. Raff, W.C. Templeton, S.J. Givens, R.C. Graves, and J.C. Mel. 1981. <i>Branhamella catarrhalis</i> pneumonia. Report of two cases and review of the literature. Am.Rev. Respir. Dis. 123:553-555.
	8.	West, M., S.L. Berk, and J.K. Smith. 1982. <i>Branhamella catarrhalis</i> pneumonia. South.Med. J. 75:1021-1023.
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** <u>MDP</u> ↑	12.	Hiroshi, S., E.J. Anaissie, N.Khardori, and G.P. Bodey. 1988. <i>Branhamella catarrhalis</i> septicemia in patients Cancer 61:2315-2317.
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**	MDP ↑ ↓ MDP	17.	Schryvers, A.B. and Morris, L.J. 1988 Identification and Characterization of the transferrin receptor from <i>Neisseria meningitidis</i> . Mol. Microbiol. 2:281-288.
**		18.	Lee, B.C., Schryvers, A.B. Specificity of the lactoferrin and transferrin receptors in <i>Neisseria gonorrhoeae</i> . Mol. Microbiol. 1988; 2:827-9.
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**		20.	Schryvers, A.B. and Lee, B.C. (1988) Comparative analysis of the transferrin and lactoferrin binding proteins in the family <i>Neisseriaceae</i> . Can. J. Microbiol. 35, 409-415.
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**		22.	O'Hagan, 1992. Clin. Pharmacokinetics. 22:1

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** <u>WOP</u>		23.	Ulmer et al., 1993. Curr. Opinion Invest. Drugs 2: 983-989.					
		24.	Lockhoff, O., 1991. Glycolipids as immunomodulators: Synthesis and properties. Chem. Int. Ed. Engl. 30: 1611-1620.					
		25.	Nixon-George, 1990. J. Immunol. 14: 4798-4802.					
**		26.	Wallace, R.J. Jr., Nash, D.R., and Steingrube, V.A. 1990. Antibiotic susceptibilities and drug resistance in <i>Moraxella (Branhaemella) catarrhalis</i> . Am. J. Med. 88 (5A): 465-50S.					
**		27.	F.M. Ausubel et al., Short protocols in Molecular Biology, Greene Publishing Associates and John Wiley and Sons.					
		28.	Schryvers, A.B., Lee, B.C. 1989. Comparative analysis of the transferrin and lactoferrin binding proteins in the family <i>Neisseriaceae</i> . Can. J. Microbiol. 35: 409-415.					
<u>WOP</u>		29.	Legrain, M., V. Mazarin, S.W. Irwin, B. Bouchon, M-J. Quentin-Millet, E. Jacobs, and A.B. Schryvers. 1993. Cloning and characterization of <i>Neisseria meningitidis</i> genes encoding the transferrin-binding proteins Tbp1 and Tbp2. Gene 130: 73-80.					
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**	<u>MDP</u> ↑ ↓ <u>MDP</u>	30.	Ogunnariwo, J.W., Woo, T.K.W., Lo, R.Y.C., Gonzalez, G.C., and Schryvers, A.B. Characterization of the Pasteurella haemolytica transferrin receptor genes and the recombinant receptor proteins. Microb. Pathog. 23:273-284 (1997).				
**		31.	Yang, Y.P., Myers, L.E., McGuinness, U., Chong, P., Kwok, Y., Klein, M.H. and Harkness R.E. The major outer membrane protein, C.D, extracted from Moraxella (Branhamella) catarrhalis is a potential vaccine antigen that induces bactericidal antibodies. FEMS Immun. Med. Microbiol. 17:187-199 (1997).				
**		32.	Needleman, S.B., and Wunsch, C.D. 1970, J. Mol Biol. 48:443-453.				
**		33.	Sellers, P.J. 1974 On the theory and computation of evolutionary distances, J. Appl. Math (Siam) 26:787-793.				
**		34.	Waterman, M.S., Smith, T.F., and Beyer, W.A. 1976. Advan. Math. 20:367-387.				
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<u>MDP</u>	5,292,869	1994	Schryvers	<del>530</del>	<del>413</del>	

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	36. Anderson et al (1994) J. Bacteriology 176: 3162-3170
	37. Gray-Owen et al (1995) Infection and Immunity 63: 1201-1210
	38. Bowie et al (1990) Science 247: 1306-1310
	39. Regenmortel (1986) TIBS 11: 36-39
	40. George et al (1988) Macromolecular Sequencing and Synthesis (Ed. By D. H. Schlesinger) Alan R. Liss, Inc., New York, pp 127-129

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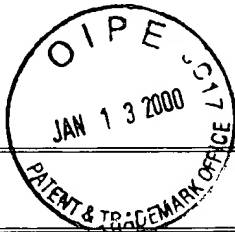
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCL.	TRANSLATION
<i>MDP</i>	WO 97/13785	April 17/97				YES NO
<i>↑</i>	WO 90/12591	November 1/90				
<i>↓</i>	WO 95/33049	December 7/95				
<i>MDP</i>	WO 93/08283	April 29/93				

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<i>** MDP</i>	41.	Smith, T.F., and Waterman, M.S. 1981 Identification of common molecular subsequences. J. Mol. Biol. 147:195-197.
<i>** ↑</i>	42.	Jimenez-Montano, M. and Zamora-Cortina, L. 1981 Evolutionary model for the generation of amino acid sequences and its application to the study of mammal alpha-hemoglobin chains. Proc. VII Int. Biophysics Congress, Mexico City.
<i>** ↓</i>	43.	Sobel, E. and Martinez, H.M. 1985 A Multiple Sequence Alignment Program. Nucleic Acid Res. 14:363-374.
<i>MDP</i>	44.	Rong-Hua Yu et al; Microbial Pathogenesis, vol.15, 1993, pp.433-445 XP000612196.
EXAMINER:	<i>Michael Park</i>	
DATE CONSIDERED:	<i>8/22/03</i>	

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MOP	US 5,708,149	1998	Schryvers, Anthony et al	<del>XXXX</del>	<del>XXXX</del>	

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MOP	WO 97/32980	September 12, 1997	WO	<del>XXXX</del>	<del>XXXX</del>

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MOP **	1.	Myers, L. E. et al, 1998, The transferrin binding protein B of moraxella catarrhalis elicits bactericidal antibodies and is a potential vaccine antigen. Infect. and Immunity Vol. 66, No. 9, pages 4183-4192
EXAMINER: MICHAEL PARK DATE CONSIDERED: 8/22/03		

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